Installation and Operating Instructions

TPR II Wall Mounted Panel Convector Heaters

Dimensions (mm)

Model(s)	Part number	Watt	A	B
TPR2-750W / TW	75-773401 / 75-773411	750	620	108
TPR2-1000W / TW	75-773402 / 75-773412	1000	620	108
TPR2-1250W / TW	75-773403 / 75-773413	1250	688	108
TPR2-1500W / TW	75-773404 / 75-773414	1500	688	108
TPR2-2000W / TW	75-773405 / 75-773415	2000	860	108

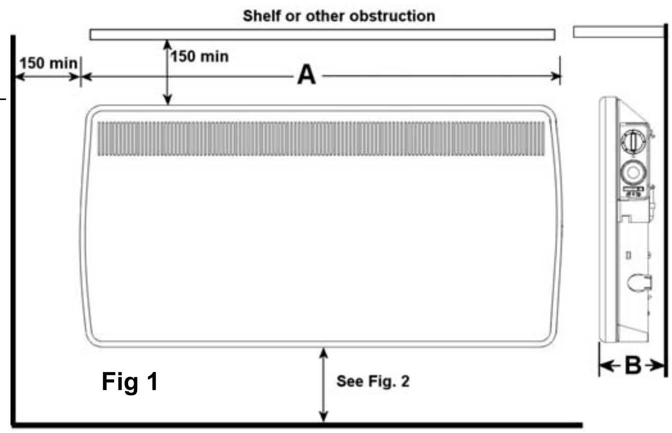


Fig 1

IMPORTANT: THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE

Important Safety Advice

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:

IMPORTANT - The wall brackets supplied with the appliance must be used.

IMPORTANT - If the heater is installed in a room containing a bath or shower, it must be so installed that switches and other controls cannot be touched by a person using a bath or shower.

Do not use outdoors.

Do not locate the heater immediately below a fixed socket outlet or connection box.

Do not cover the heater. Do not place material or garments on the heater, or obstruct the air circulation around the heater, for instance by curtains or pushing furniture up against the heater, as this could cause overheating and a fire risk.

NEVER cover or obstruct in any way the heat outlet slots at the top of the heater or the air inlet slots in the base of the heater.

The heater must not be covered.

WARNING -THE SURFACES OF THIS HEATER CAN BE HOT. Momentary contact with any part of the heater should not cause injury. However, aged or infirm persons or young children should not be left unsupervised in the vicinity of the heater unless a suitable guard is fitted.

This appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.

Note that due care and consideration must be taken when using this heater in series with a thermal control, a program controller, a timer or any other device that switches on the heat automatically, since a fire risk exists when the heater is accidentally covered or displaced.

If the supply cord is damaged it must be replaced by the manufacturer or service agent or a similarly qualified person in order to avoid a hazard.

Electrical

WARNING-THIS APPLIANCE MUST BE EARTHED

The electrical installation must be carried out by a competent electrician, and be in strict accordance with the current I.E.E. regulations for Electrical Equipment in Buildings.
The heater is fitted with a length of flexible cable type H05VV-F size 3 x 1.0mm^2 on all models for connection to the fixed wiring of the premises through a suitable connection box positioned adjacent to the heater.
A means for disconnection in all poles must be provided in the fixed wiring in accordance with the wiring rules.

Supplementary Earth Bonding

Should Equipotential Earth Bonding be required, the earthing conductor in the supply cord is deemed to provide the supplementary bonding connection (see Regulation 547-03-05, 16th Edition I.E.E. Wiring Regulations).

General

The TPR Convector is designed for wall mounting on the wall brackets supplied. It should only be operated when in the upright position as shown.
All models are protected to IP24 standard.

Models TPR2....W are fitted with a thermostat only.
Models TPR2….TW are fitted with a thermostat and a 24 hour timer.

Before connecting the heater, check that the supply voltage is the same as that stated on the heater.

Wall Mounting

IMPORTANT -The wall brackets supplied with the appliance must be used. The heater should be positioned observing the minimum clearances stated around the heater - see **Fig.1.**

DO NOT locate the heater immediately below a fixed socket outlet or connection box.

1. Remove wall mounting bracket from the back of the heater by depressing the spring latch at the top of each bracket - see **Fig.** 2.
2. Fix the wall bracket securely to the wall through the four screw holes provided.
3. Present the heater to the wall bracket, and engage lower slots in the back with bracket.
4. Raise the heater to its upright position and push the heater onto the bracket to engage the top latch.

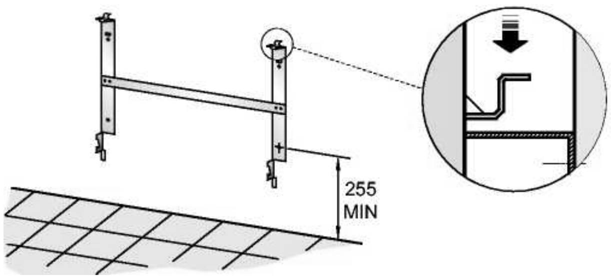


Fig. 2

Access to the controls

The controls cover on your heater has a latch which may be locked shut if desired using a small bladed screwdriver - see **Fig. 3**.

To open the cover insert the blade of the screwdriver in the small slot and rotate a quarter of a turn clockwise to disengage the latch. The cover may then be hinged back towards the wall for access to the controls.

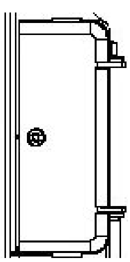


Fig. 3

Operation - W models - Thermostat only

Control of Output and Temperature (see Fig. 4)

The isolating switch in the fixed wiring should be used to switch the product ON and OFF. When ON the product will be controlled by the thermostat.

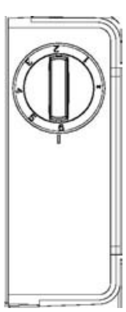


Fig. 4

Thermostat Operation

The heater is fitted with an adjustable thermostat enabling the room temperature to be controlled by adjusting the setting accordingly. The * setting represents a room temperature of approximately 5°C and may be used for protection against frost. Higher temperature settings range from 1 to 6 (max.) creating a maximum room temperature of approximately 30°C.

Switch on the heater and turn the thermostat knob to the position corresponding to the required temperature for the room. The heater will then maintain the room temperature at the chosen level, provided that the correct size of heater has been selected for the room to be heated.

NOTE - Should your heater fail to come on when the thermostat knob is at a low setting, this may be due to the room temperature being higher than the thermostat setting.

Operation - TW Models - Thermostat and Timer

Control of Output and Temperature (see **Fig. 5)**

The slide switch on the timer unit controls the electricity supply to the heating elements on TW models.

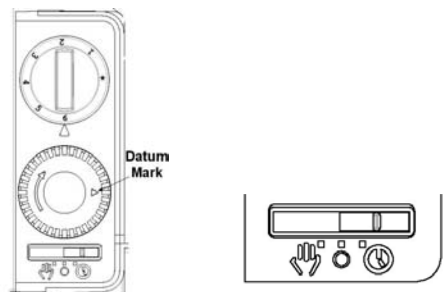


Fig.5

Thermostat Operation

- see above.

Using the Timer

The heater must be connected to the electricity supply for the timer to operate. Set the timer by rotating the dial clockwise until the correct time of day is indicated opposite the datum mark (located at centre front of the timer - see **Fig. 5).**

'OFF' Position

Set the timer switch to **O** position. The timer operates but the heater will not output any heat, as the electricity supply to the heating elements has been disconnected.

Manual Operation

Set the timer switch to ✋ position. The heater will now operate continuously under the control of the thermostat - see 'Thermostat Operation' above.

Automatic Operation

Set the timer switch to 🕓 position. The panel will now operate during set 'ON' periods under the control of the thermostat.

To set the timer's 'ON' and 'OFF' periods:

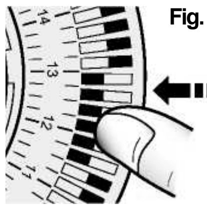


Fig. 6

1. Using your finger tip or the tip of a pencil, push in as many segments as necessary around the dial, according to the times you don't require heat - see **Fig. 6**. Each segment pushed in switches the heater OFF for that part of the hour. All other segments will be 'ON'.
2. You can select as many 'ON' periods as you like, within the 24-hour day. The settings will repeat every day until changed.
3. To change 'ON' and 'OFF' times, simply push in any 'ON' segments you wish to cancel and pull out new 'ON' segments as required.

Note: On T models each segment on the timer represents 20 mins.

Setting the Time

The current time is set by rotating the timer dial clockwise until the correct time is indicated opposite the datum mark.

Safety - Overheat protection

For your safety this appliance is fitted with a thermal cut-out. In the event that the product overheats for some reason, the cut-out prevents excessive temperatures on the product by cutting the power to the heater. Once the heater has cooled down, it will reset automatically. It will continue to cycle on and off automatically until the reason for overheating is removed.

Cleaning

Before commencing cleaning, unplug the heater and allow it to cool. Disconnect the electricity supply to the appliance.

The outside can be cleaned by wiping it over with a soft damp cloth and then dried. Do not use abrasive cleaning powders or furniture polish, as this can damage the surface finish.

To release heater from the wall bracket for cleaning or redecoration, depress latch on both brackets (see Fig. 2) and hinge forward.

After Sales Service

Your product is guaranteed for two years from the date of purchase.

Within this period, we undertake to repair or exchange this product free of charge provided it has been installed and operated in accordance with these instructions.

Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales service you should contact our customer services help desk on +44(0)8709 000430. It would assist us if you can quote the model number, series, date of purchase, and nature of the fault at the time of your call. The customer services help desk will also be able to advise you should you need to purchase any spares.

Please do not return a faulty product to us in the first instance as this may result in loss or damage and delay in providing you with a satisfactory service.

Please retain your receipt as proof of purchase.

Energy Saving Tips

The energy we use to heat, light and power our homes contributes over a quarter of the UK's carbon emissions, the principle contributor to climate change.

Around half the energy used in the home is for heating and hot water, so using your heating system efficiently will not only help the environment, but also save you money !

Energy efficiency tips for heating and hot water

1. Don't set the temperature too high…

By reducing the thermostat setting by just 1ºC can reduce your energy use by as much as 10%. And if you're going away for the winter, leave the thermostat on the frost protection setting to provide protection from freezing at a minimum cost.

2. Use it where you need it…

Set the appropriate temperature on your heaters for the room they are in; for example, leave the thermostat on a heater in a spare bedroom on a lower setting.

3. Use it when you need it…

Use heaters fitted with timers or linked to central controllers to turn the heating on only when you need it and automatically switch it off when you don't.

4. **Curtains…**

Close your curtains at dusk to stop heat escaping through the windows.

5. **Windows…**

Nearly 25% of heat loss can occur through poorly insulated frames and single glazing. If you can't afford to double glaze all your windows, go for the rooms you heat most.

6. Treat your hot water tank...give it a jacket

An insulating jacket for hot water tanks only costs a few pounds and pays for itself within months. Fit one that's at least 75mm (3") thick and you could save £10-£15 a year.

7. Water…

Use a shower if you have one to save time, money and water.

Don't set the thermostat too high on your water heater - 60°C/140°F is usually adequate for bathing and washing.

Put the plug in when running hot water in your sink - leaving hot taps running is both wasteful and expensive.

Ensure dripping taps are repaired quickly. In just one day, you could waste enough water to fill a bath.

Other Energy Saving Tips for Around the Home

1. Lights

Turn off lights whenever you leave a room for more than ten minutes.

Use low-energy bulbs wherever you can as they use less than a quarter of the electricity used by ordinary light bulbs and last ten times longer!

2. Cooking

Use the right size pan for the food and cooker hob.

Keep saucepan lids on - this enables you to turn down the heat.

CE The product complies with the European Safety Standards EN60335-2-30 and the European Standard Electromagnetic Compatibility (EMC) EN55014, EN60555-2 and EN60555-3 which cover the essential requirements of EEC Directives 73/23 and 89/336

Applied Energy Products Ltd
Morley Way,
Peterborough
Cambridgeshire
PE2 9JJ

UK customer help line

Customer Services:	Tel.	+44(0)8709 000430
	Fax.	+44(0)1733 310606
	e-mail	technical.services@applied-energy.com